

Patent Abstracts of Japan

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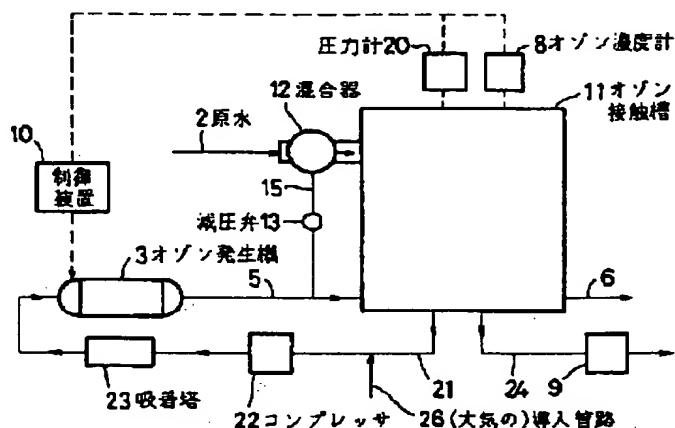
APPLICATION DATE : 28-06-93
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TITLE : OZONE TREATMENT APPARATUS



ABSTRACT : PURPOSE: To provide an ozone treatment apparatus enhanced in ozone generation efficiency without generating scaling-up and an increase in cost and reduced in operation cost by eliminating the wastefulness of ozone gas.

CONSTITUTION: An ozone treatment apparatus is equipped with a pressure reducing valve 13 adjusting the pressure of the ozone gas 5 obtained from an ozone generator 3, a mixer 12 mixing the ozone gas 5 and raw water 2 to allow them to flow in an ozone contact tank 11 and an oxygen enriching or dehydrating adsorbing tower 23 treating the unreacted gas led out of the ozone contact tank 11 to again supply the treated gas into the ozone regenerator 3. The concn. and pressure of the ozone gas 5 generated from the ozone generator 3 are controlled on the basis of the concn. of ozone and a pressure signal by a control device 10.

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